

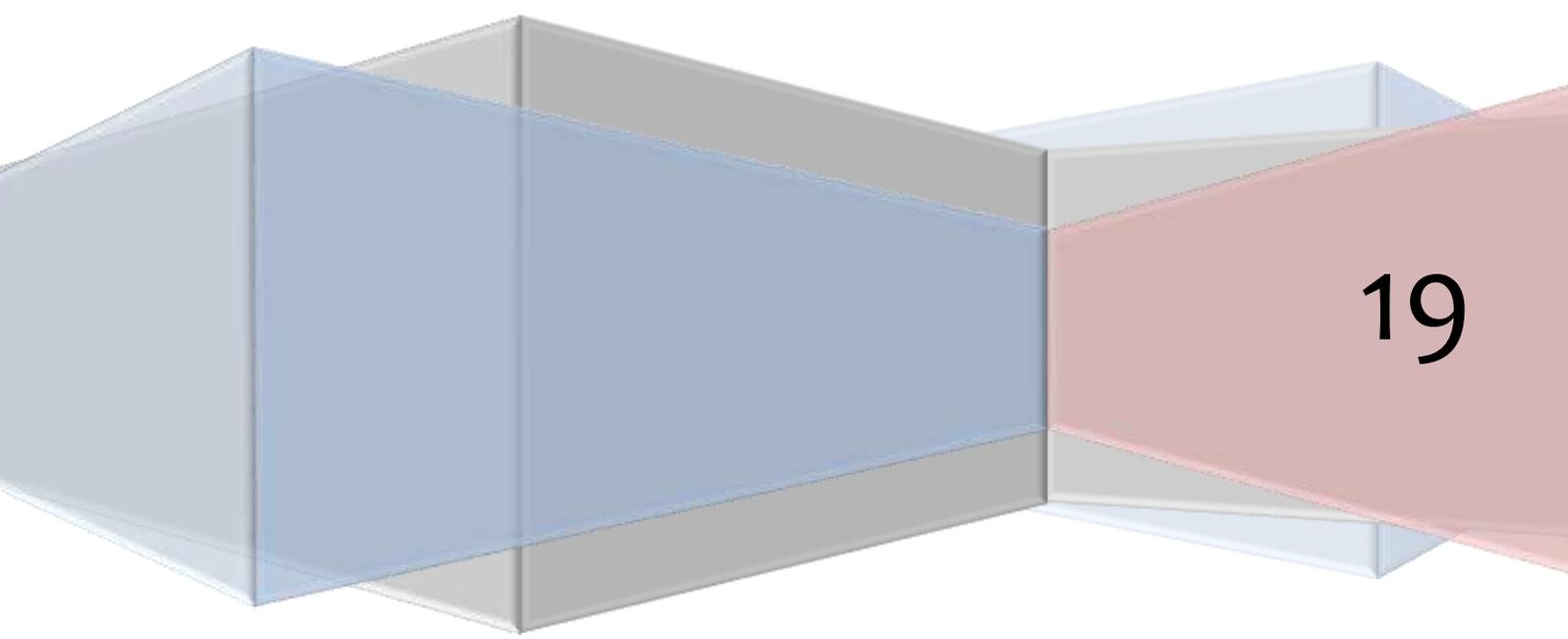
Suvorov Prize

A Swiss Russian Award for Innovation

Competition 2019

Information Brochure

SRF



19



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Introduction

The Swiss Russian Forum (SRF) created the Suvorov-Prize as an award for outstanding innovative projects. Marketability plays a decisive role in the selection of the Prize-winners as the marketability of the innovation is essential.

The Suvorov-Prize will be bestowed upon Swiss and/or Russian citizens whose projects have a cross-national or international impact as stipulated in the statutory aims of the SRF. The name of the prize honours the Russian General Alexander V. Suvorov who, in 1799, fought against Napoleon's army in the Gotthard area of central Switzerland. There, a Suvorov monument was erected in memory of the General's and his Russian soldiers' brave campaign to assist the Swiss. Suvorov is seen as an early bridge-builder between Switzerland and the Russian Federation.

Apart from distinguishing the winners, the Suvorov-Award is also intended to provide encouragement and additional publicity as well as to serve as a reference. The Suvorov-Prize provides the winner with a cash prize and one-year start-up coaching for the innovation project.

The Suvorov Prize is organised in cooperation with the Foundation for Assistance to Small Innovative Enterprises (FASIE) and under the auspices of the Swiss Embassy in Moscow and Canton of Zurich.

Purpose

The Suvorov Prize is aimed to encourage young researchers and inventors to present creative projects on the international market thus supporting their countries' economy. Since Switzerland belongs to one of the most innovative countries we would like to strengthen long-term economic relations between the two countries through our cooperation with FASIE to facilitate a spill over effect.

Organisation

The SRF is responsible for the organisation of the Suvorov-Award on an annual basis. Media coverage generates publicity and additional encouragement for future participation. A Russian-Swiss Jury of experts carefully examines and evaluates all submitted projects. Eligible for the SRF Suvorov-Award are: students, graduates, post-graduates, scientific staff at all universities / colleges, as well as companies or their designated representatives.

Overview of Assessment Criteria

Creativity:	Original, interdisciplinary, simplicity of idea
Innovation value:	Transfer between science and business, time elapsed since moment of innovation meets specifications; project leads to improvement relative to status quo
Social relevance:	Timeliness of the project, project meets a social need; project has a broad social impact
Marketability:	Project refers to market demand; feasibility, relevant for and realisable in the market; financial viability

Jury

- Ivan M. Bortnik, Advisor to the General Director, Member of the Supervisory Board Foundation for Assistance to Small Innovative Enterprises (FASIE), Moscow
- Thomas A. Frick, Partner Niederer Kraft & Frey AG, Zurich
- Andreas Gut, Swiss EUREKA project coordinator, State Secretariat for Education, Research and Innovation SERI, Bern
- Mikhail Lifshitz, Director High-tech Business Development, Renova Group, Moscow
- Béatrice G. Lombard-Martin, Co-President Swiss Russian Forum Foundation, Zurich
- Andrey Mikitas, Deputy General Director, the Foundation for Assistance to Small Innovative Enterprises (FASIE), Moscow
- Nelli Orlova, Partner InnMind, Lausanne
- Galina Sato, President, Granite Group, Zurich
- Marcel Widrig, Partner PwC, PricewaterhouseCoopers AG, Zurich

Procedure

First Round

Applications are accepted until June 21, 2019

Second Round (selection of the short-list semi-finals)

Results of the second round will be communicated by the jury by the beginning of July. The jury may request further Information on projects.

Third Round (and selection of finalists)

Results of the third round will be communicated by the jury by the beginning of September. The finalists will be presented at the Suvorov Award Ceremony.

The Ceremony of the Suvorov Prize 2019

Takes place at the congress center Technopolis Moscow, November 11, 2019

Prizes for Winners

First Prize: 2 million Rubles for one year

Second Prize: 500 000 Rubles for two years

For all winners we maintain a supporting programme Soft-landing in Switzerland / Russia:

- consultation on either Switzerland or Russia provided by the Swiss Business Hub in Russia
- consultation on business modeling, business development and fundraising topics for the finalists by InnMind

Success stories

Winner 2018

Finalist: Danila Medvedev

Project: NanoLab – Molecular designer in virtual reality is an interactive guide for teaching chemistry to students at the professional level. With the help of Nanolab designer it is possible within 5 years to teach 100,000 students the profession of nanoengineer.

Progress: NanoLab won first place at KIVO – the Innovations in Education competition organized by the Higher School of Economics and Rybakov Foundation. Out of 600 projects it was selected as the best and won a travel grant that they are going to use in February–March for a trip to Switzerland to set up the desired cooperation there.

Danila Medvedev is in cooperation with Mendeleev Russian Technical University of Chemistry to bring NanoLab to the children's technological park based at Mendeleev University.

Danila works with the leading material science researcher in Russia Artem Oganov and his own researcher Alexander Olikevich on development of an innovative quantum chemistry algorithm that supports interactive simulations in NanoLab.

The United Nations General Assembly has proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements. Danila and his team are aimed to contribute with the NanoLab project and the possibilities it provides.

Winners 2017

Finalist: MaxBionic

Project: MaxBionic (Bionic prosthetics) – upper limb prostheses with microprocessor control system.

Progress: The project has progressed strongly. It has raised the investment found, introduced new products for market.

Finalist: Alexander Khrebtov

Project: NeuroKod – next generation information collaboration system for non-limited number of users.

Progress: They held several research seminars at Rosatom throughout the year, studying the issue of modelling – how we create mental models and computer models of reality. There are currently plans to do a workshop at Rosatom for a large group in March 2019 on better thinking with the use of NeuroKod. We commemorated the 50th anniversary of the Engelbart Demo in December 2018 with a dinner for the Moscow community of intelligence augmentation researchers and developers. No one completed the revolution, so we need to work harder and better to do it ourselves.

During 2018 we concluded our negotiations with Rosatom the JSC "Science and innovation" (the R&D arm of Rosatom Atomic Energy State Corporation) signed a contract buying NeuroKod system for use by the director.

The purpose of the project is to visualise the complex structure of all the research and development at Rosatom in order to improve the management of research and innovation management in the company.

In addition to "Science and innovation" we did a pilot project at Rosenergoatom. In that project we learned about the technical challenges of running software in the Rosatom IT environment where

security is a number one priority. We resumed work this January and plan to do a bigger project there (and in a few other Rosatom companies) in 2019 after we launch the "Science and innovation" one. In January 2019 we started work with Roscosmos supplying NeyroKod solutions for their knowledge management program. We have also started cooperation talks with UBS through the IT director of UBS–Russia, who thinks that 90% of UBS departments have potential uses for NeyroKod.

Winner 2016

Finalist: JSC SOEMZ

Project: The development of technology for manufacturing paper, hydrophobic antiseptic pots from recyclable paper of various grades for growing crops.

Progress: After the Suvorov Prize final in 2016, the project received a grant from the innovation support Foundation.

At the present time, the open company "Solar pulp" which is engaged in the implementation of the project is a resident of the centre of development and commercialization of new technologies Foundation in Skolkovo. Prototype model of the paper forms produced are being in the process of testing on the area of growing salad crops at JSC "Agrokombinat Moscovsky", where it has demonstrated its pre-eminence over currently used plastic pots.

The hydrophobic antiseptic pots were demonstrated at the 20th Russian Agro–Industrial Exhibition "Golden Autumn". The exhibition confirmed their demand for greenhouses from various regions, and for owners of private greenhouses.

At the same time the work is underway to prepare an application for the grant of the patent of RF for the developed technology.

Winner 2015

Finalist: Polywed LLC

Project: The development of the technology BioChron to increase the efficiency of the artificial insemination.

Progress: After having taking part in a French Tech Ticket program in 2016, our company was selected (50 teams were selected out of 1500 from 118 countries) to participate in a Korean state program K–Startup Grand Challenge 2017. For us that was a wonderful opportunity to examine fast-growing Asian market and to start working over there.

The second news is that in September we start partnership with Philips (2017) within the program Philips Healthworks – Fertility, Pregnancy and Parenting. This is a highly-specialized acceleration program for technological startups in this field. Information about our participation (were selected 6 companies out of 300) in the Philips Healthworks – Fertility, Pregnancy and Parenting Philips are published here: <https://www.healthworks.philips.com/pages/FPPeindhoven2017/>